

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:3613

ANSWERED ON:07.08.2002

UPGRADATION AND MODERNISATION OF NUCLEAR POWER PLANTS

VIRENDRA KUMAR

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Government have a proposal for upgradation and modernisation of some of the Nuclear Power Plants in the country;
- (b) if so, the details of the Nuclear Power Plants proposed to be upgraded and modernised; and
- (c) the expenditure involved on the modernisation programme?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

(a) Yes, Sir. NPCIL carries out the upgradation and modernisation of its nuclear power plants as an ongoing planned activity. The renovation and modernisation (R&M) programme of nuclear power plants results in plant life extension and enhanced safety of their operations.

(b) Plant life extension and upgradation works are being carried out progressively at Tarapur Atomic Power Station-1&2 (2X160 MWe Boiling Water Reactors), the first nuclear power plant in the country commissioned in the year 1969. R&M works, including End Mass Coolant Channel Replacement (EMCCR) & upgradation of plant systems were completed for Rajasthan Atomic Power Station-2 (200 MWe) in the year 1998 and the unit has been operating satisfactorily after completion of these works. Similar works have been taken up at one unit of Madras Atomic Power Station. The unit is expected to come back online during the next year. Similarly R&M works are also proposed for the other unit of Madras Atomic Power Station and both units at Narora.

(c) The expenditure incurred on the R&M programme for all NPCIL Plants, in the IX Plan was Rs. 160 crore. In the X Plan, an outlay of about Rs. 997 crore has been provided for R&M works, including EMCCR for the two units of Madras Atomic Power Station and the two units at Narora Atomic Power Station.